

AMENDMENTS TO THE SPECIFICATION:

Amend the specification as follows:

Please amend the paragraph bridging pages 60 and 61 as follows:

First, a three-dimensional structure of an antibody V region comprised of the amino acid sequence HV.0 of VH and amino acid sequence LV.0 of VL of anti-GD3 CDR-grafted antibody designed in the above (hereinafter referred to as "HV0LV0") was constructed using computer-modeling. The production of three-dimensional structure coordinates was carried out using a software AbM (manufactured by Oxford Molecular) and the display of three-dimensional structure was carried out using a software Pro-Explore (manufactured by Oxford Molecular) in accordance with the respective manufacture's instructions. Also, a computer model of the three-dimensional structure of the V region of anti-GD3 mouse antibody KM641 was constructed in the same manner. In addition, a three-dimensional structure model of a modified HV0LV0 having an amino acid sequence in which at least one amino acid residue different from anti-GD3 mouse antibody KM641 in the FR amino acid sequences of VH and VL of HV0LV0 was substituted by the amino acid residues of positions corresponding to the anti-GD3 mouse antibody KM641 in order was also constructed. Three-dimensional structures of V regions of the anti-GD3 mouse antibody KM641, HV0LV0 and modified product were compared. As a result, amino acid residues considered to have influences on the antigen binding activity by changing three-dimensional structure of the antigen-binding region were selected from the FR amino acid residues of HV0LV0. As a result of substituting the thus selected FR amino acid residues of HV0LV0 by the amino acid

residues found in the mouse antibody KM641, an amino acid sequence hKM641H of VH of the anti-GD3 CDR-grafted antibody represented by SEQ ID NO:9 and an amino acid sequence hKM641L of VL of the anti-GD3 CDR-grafted antibody represented by SEQ ID NO:10 were designed. In the hKM641H, the 10th position Gly, the 11th position Leu, the 20th position Leu, the 28th position Thr, the 84th position Asn, the 91st position Thr, the 95th position Tyr, the 97th position Ala and the 115th position Val in the FR amino acid sequence of HV.0 were replaced by Asp, Phe, Val, Ala, Arg, Ser, Phe, Thr and Leu, respectively, as amino acid residues of positions corresponding to the VH of anti-GD3 mouse antibody KM641. In the hKM641L, the 49th position Tyr, the 65th position Ser and the 71st position Phe in the FR amino acid sequence of LV.0 were replaced by Tyr, Ser and Phe, Phe, Gly and Tyr, respectively, as amino acid residues of positions corresponding to the VL of anti-GD3 mouse antibody KM641.